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Table of Contents for Supplemental Material

Spatial Variation and Land Use Regression Modeling of the Oxidative Potential of Fine Particles

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Figure S1. Overview of the sampling sites in study area. The study area is characterized by minor altitude differences and an overall high population density. Ten regional background monitoring sites were selected in small villages and countryside settings, to capture regional differences resulting from long-range transport. Five sites were selected in the larger cities of Amsterdam, Rotterdam, Utrecht, and Antwerp (300,000-800,000 inhabitants), while in the smaller cities of Amersfoort, Groningen, Doetinchem, and Maastricht (50,000-200,000 inhabitants) only three or two sites were selected. Major sea ports are present near both Rotterdam and Antwerp. N=40 sites.

Description of the sampling site selections

Table S1. Predictor variables, direction and buffer sizes considered for development of LUR models.

Table S2. Description of previously developed LUR models for the Netherlands/Belgium study area in the framework of ESCAPE.

Table S3. Descriptive statistics and overall contrasts of adjusted annual average concentrations of OP^{DTT} (nmol DTT/min/m³), OP^{ESR} (A.U./m³) by site type.

References